

In the Abstract

Substitute the following Abstract for the one presently on file:

A B S T R A C T

A plasma assisted reactor and method for the simultaneous removal of nitrogen oxides and carbonaceous combustion products from exhaust emissions, particularly from an internal combustion engine, wherein the reactor includes a gas permeable bed made of a mixed metal oxide having the general formula $A_{2-x}A^1_xB_{1-y}B^1_yO_4$, wherein the components A A¹ of the mixed metal oxide material are selected from the group consisting of elements comprising La, Sr, Ba and K, the components B B¹ of the mixed metal oxide material are selected from the group consisting of elements comprising Co, Mn, Cr, Cu, Mg and V, and O is oxygen.